

Appl. No.: 10/618,499  
Amdt. dated March 30, 2005  
Reply to Final Office Action of Dec. 14, 2004

#### **I. AMENDMENTS TO THE CLAIMS:**

The following listing of claims will replace all prior versions and listings of claims in the application:

#### **Listing of Claims:**

1. (Currently Amended) ~~A building article having a smooth, low gloss surface~~ The article of claim 41, wherein the lignocellulosic substrate is prepared by
  - (1) impregnating a lignocellulosic material with an isocyanate resin material;
  - (2) removing excess isocyanate resin from the impregnated lignocellulosic material by impinging air at a high flow rate upon the impregnated lignocellulosic material;
  - (3) polymerizing the resin by applying water to the impregnated lignocellulosic material, the water being at a temperature sufficient for polymerization; and
  - (4) removing the water from the polymerized resin-impregnated lignocellulosic material.
2. (Currently Amended) The ~~building~~ article of claim 1, wherein the impregnated lignocellulosic material is substantially non-conductive.
3. (Currently Amended) The ~~building~~ article of claim 1, wherein the lignocellulosic material comprises material selected from the group consisting of medium density fiberboard, high density fiberboard, oriented strand board, particle board, hemp, sisal, cotton stalk, wheat, straw, bamboo, jute, salt water reeds, palm fronds, flax, groundnut shells, hard woods and soft woods.
4. (Currently Amended) The ~~building~~ article of claim 1, wherein the ~~building~~ article comprises a veneer, sheet or panel.
5. (Currently Amended) The ~~building~~ article of claim 1, wherein the ~~building~~ article comprises a building component.

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6. (Currently Amended) The ~~building~~ article of claim 5, wherein the building component comprises a door component.
7. (Currently Amended) The ~~building~~ article of claim 5, wherein the building component comprises a subfloor component.
8. (Currently Amended) The ~~building~~ article of claim 5, wherein the building component comprises a roofing substrate component.
9. (Currently Amended) The ~~building~~ article of claim 5, wherein the building component comprises a soffit component.
10. (Currently Amended) The ~~building~~ article of claim 5, wherein the building component is adapted for marine construction.
11. (Currently Amended) The ~~building~~ article of claim 1, wherein the ~~building~~ article comprises a fence component.
12. (Currently Amended) The ~~building~~ article of claim 1, wherein the ~~building~~ article comprises a recreational equipment component.
13. (Currently Amended) The ~~building~~ article of claim 1, wherein the ~~building~~ article comprises a component of a sign.
14. (Currently Amended) The ~~building~~ article of claim 1, wherein the ~~building~~ article comprises furniture.

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15. (Currently Amended) The article of claim ~~16~~ 41, wherein said impregnated lignocellulosic substrate is substantially non-conductive.
16. (Cancelled)
17. (Currently Amended) The article of claim ~~16~~ 41, wherein the impregnated lignocellulosic substrate further exhibits increased strength over an un-impregnated lignocellulosic substrate.
18. (Currently Amended) The article of claim ~~16~~ 41, wherein the impregnated lignocellulosic substrate further exhibits an increased resistance to water over an un-impregnated lignocellulosic substrate.
19. (Currently Amended) The article of claim ~~16~~ 41, wherein the lignocellulosic substrate comprises material selected from the group consisting of medium density fiberboard, high density fiberboard, oriented strand board, particle board, hemp, sisal, cotton stalk, wheat, straw, bamboo, jute, salt water reeds, palm fronds, flax, groundnut shells, hard woods and soft woods.
20. (Currently Amended) The article of claim ~~16~~ 41, wherein the polyisocyanate material comprises methylene diphenyl diisocyanate or poly(methylene diphenyl diisocyanate).
21. (Currently Amended) The article of claim ~~16~~ 41, wherein the polyisocyanate material comprises polyisocyanate resin.
22. (Currently Amended) The article of claim ~~16~~ 41, wherein the lignocellulosic substrate comprises a veneer, sheet or panel.
23. (Currently Amended) The article of claim ~~16~~ 41, wherein the article comprises a building component.

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24. (Original) The article of claim 23, wherein the building component comprises a door component.

25. (Original) The article of claim 23, wherein the building component comprises a subfloor component.

26. (Original) The article of claim 23, wherein the building component is adapted for marine construction.

27. (Original) The article of claim 23, wherein the building component comprises a soffit component.

28. (Original) The article of claim 23, wherein the building component comprises a roofing substrate component.

29. (Currently Amended) The article of claim ~~16~~ 41, wherein the article comprises a fence component.

30. (Currently Amended) The article of claim ~~16~~ 41, wherein the article comprises a recreational equipment component.

31. (Currently Amended) The article of claim ~~16~~ 41, wherein the article comprises a component of a sign.

32. (Currently Amended) The article of claim ~~16~~ 41, wherein the article comprises a furniture component.

33. (Currently Amended) The article of claim ~~16~~ 41, wherein the substrate is impregnated by application of the polyisocyanate material upon the surface of the substrate with a nozzle.

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34. (Currently Amended) The article of claim ~~16~~ 41, wherein the substrate is impregnated by soaking the substrate in the polyisocyanate material.

35-36. (Cancelled)

37. (Currently Amended) The article of claim ~~16~~ 41, wherein the impregnated substrate is further impregnated with the polyisocyanate material by impinging air upon the surface.

38. (Currently Amended) The article of claim ~~16~~ 41, wherein excess polyisocyanate material on the surface of the impregnated substrate is removed by impinging air upon the surface.

39. (Currently Amended) The article of claim ~~16~~ 41, wherein the smooth, low-gloss surface of the impregnated substrate is polymerized by water.

40. (Cancelled)

41. (Currently Amended) ~~The article of claim 40;~~ An article comprising a lignocellulosic substrate impregnated with a polyisocyanate material,

wherein the impregnated lignocellulosic substrate comprises a smooth, low-gloss surface,

and

wherein the substrate comprises ~~[[the]]~~ a moisture content that is about 0.1 to 2.5% by weight after the substrate is dried and before the substrate is impregnated with the polyisocyanate material.

42-44. (Cancelled)